### Work Order ID 37506

D

June 30, 2009 4:42:17 PM

**Required Date:** 08/03/2009

Page 1

Item ID:

D412-742-011

Accept

Setup Start



Revision ID:

Float Skidtube Installation Item Name:

**Start Date:** 

07/15/2009

Start Qty: 1.00 Req'd Qty: 1.00

**Cust Item ID: Customer:** 

Reference:

Approvals:

**Process Plan:** 

Date:

Date:

Tooling:

Date: Date:

Start Run

Stop

SPC (Y/N):

Draw Plan Code

Accept

Reject Number

Insp. Stamp

Sequence ID/ **Work Center ID** 

**Draw Nbr** 

Operation Description

Set Up/ **Run Hours** 

Draw Number

Rev.

Qty

Reject Qty

**Revision Nbr** 

N/A

Rev D

100

DOCUMENT CONTROL

DC

Memo

0.00

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-011 CHG006

Sie la 17

110

Pick Kit

0.00

Packaging Packaging

Memo

0.00

120

QC4- 100% Inspect kits for completeness

QC

Memo

Quality Control

0.00

### Work Order ID 37506

D

June 30, 2009 4:42:17 PM



Page 2

Item ID:

D412-742-011

Accept

Setup Start

**Revision ID:** 

**Item Name:** 

Float Skidtube Installation

**Start Date:** 

07/15/2009

Start Oty: 1.00

**Required Date: 08/03/2009** 

Req'd Qty: 1.00



**Cust Item ID: Customer:** 

Draw

Number

Reference:

Approvals:

Process Plan:

Date:

Date:

**Tooling:** 

SPC (Y/N):

Date: Date:

Draw

Rev.

Plan

Code



Sequence ID/

Work Center ID

130

Packaging

Packaging

**Operation** Description

Packaging

QC: \_\_\_\_

Set Up/ **Run Hours** 

0.00

0.00

Identify and pack for shipping as per PPP D412-742-

011 □ Location:

MUF

140

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

Run

Accept

Start

Stop

Reject Reject Insp. Number Stamp

Qty

10/02/17 Ty

# Picklist Print

July 1, 2009 7:19:53 AM

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Manufactured

No

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
√ D3672-11RevB		Manufactured	No			·	Each	231.0000	46.0000			

Replacement Float Skidtube

Phenolic Washer

<u>Warehouse</u>	<u>La</u>	oc Oty	Loc Code			
Location						
Main Warehouse						
ST		231				
35524		231			35527	Λ
		Each	0.0000	1.0000	,	
					37506 A	5//
	110	ъ.	<b>7</b> 0 0000			
	110	Each	70.0000	4.0000 ! <b>!!!!</b> !!! <b>!!</b> !		
					1354692	16ulstin 1

D3456-1RevA

Washer

Warehouse Location	Loc Oty	Loc Code	,
OFFSHORE			
FG	7		
25701	7		
Main Warehouse			
ST	63		
46752	63		

Page 1

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Purchased

No

**Comments:** 

**BOLT** 

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch
AN3C37A	·	Purchased
<u> </u>		



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Bin Item	Primary Location	Last Location	Route Seq ID		Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
No			120	Each	141.0000	3.0000	-	U	1

Warehouse	<u>Loc</u>	<u>Oty</u>	Loc Code	
<b>Location</b>				
OFFSHORE				
FG		41		
111775		41		
Main Warehouse				
ST		100		
111976		100		M111976
	120	Each	82.0000 2.0000	_

<u>Warehouse</u>	Loc Qty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	82		<del></del>
106169	8		
106176	74		M/06/76

Lufofir C

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Purchased

No

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remainin Qty To P		Date Issued	Status
JAN3C41A		Purchased	No		-	120	Each	102.0000	3.0000			1
										M112431		/

**Shop Packet Print** 

**BOLT** 

	<u>Warehouse</u>	Loc	<u>: Oty</u>	Loc Code		
	<b>Location</b>					
	Main Warehouse					
	ST		102			
	103324		4			
	111925		98			
ı		120	Each	152.0000	3.0000	

BOLT

Loc Qty Loc Code Warehouse Location **OFFSHORE** FG 52 106169 52 Main Warehouse ST 100 106176 100

M106/69

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Required Qty: 1.00

Component Item ID/
Item Name
/

Replacement Mfg/ Item ID Purch Bin Primary Location Item

No

Last Location Route Seq ID

120

Unit of Measure

Each

Loc Qty

Qty on Hand

Loc Code

113.0000 3.0000

Remaining Qty To Pick Issued

Start Qty: 1.00

Qty

Date Issued

Status

AN3C43A

AN3C44A

BOLT	

Warehouse

Purchased

Purchased

No

Location Main Warehouse ST 113 106227 2 106228 35 2 106299 107457 74 120 Each

182.0000 9.0000



BOLT	

Warehouse Loc Qty Loc Code Location Main Warehouse ST 182 106187 82 110848 100

Work Order ID: 37506

Parent Item:

Comments:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Purchased



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
v	AN3C47A		Purchased	No			120	Each	123.0000	10.0000	_		1
>													/

**BOLT** 

<u>]</u>	<u>Location</u>				
Mair	n Warehouse				
:	ST		123		_
	106171		74		_
	110847		49		
No		120	Each	128.0000 4.0000	-

Loc Qty

Warehouse

Loc Code

1.0000 M10617/
M10617/
M10617/
M10617/
M10617/
M10617/
M10617/
M10617/
M10617/

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	128		
110847	4		
111425	21		
111635	100		
111647	3		

### Picklist Print

July 1, 2009 7:19:54 AM

Page 6

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4C52A		Purchased	No			120	Each	237.0000	8.0000 —	- 3		,

**BOLT** 

		<u>Warehouse</u>	Loc	: Qty	Loc Code
		<b>Location</b>			
		Main Warehouse			
		ST		237	
		103914		19	
		105423		218	
Purchased	No		120	Each	262.0000 16.0000
					m112794 (onf2/17 ()

Warehouse	Loc Oty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	262		
103344	4		
111295	6		_
111724	252		1

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name

Item ID

Replacement Mfg/ Purch

Purchased

Primary Item Location

No

Last Location

Route Seq ID

120

Unit of Measure

Each

Qty on Hand

459.0000 4.0000

Remaining Qty To Pick Issued

Qty

Date Issued

Status

AN4C7A

Warehouse	Loc	<u>Oty</u>	Loc Code	
<b>Location</b>				
OFFSHORE				
FG		4		
106302		4		
Main Warehouse				
ST		455		
109147		455		
	120	Each	203.0000	8.00

**BOLT** 

Purchased

No

203.0000 8.0000



D144100

Warehouse Loc Oty Loc Code Location Main Warehouse ST 203 104289 3 110396 200

m1/0396

Work Order ID: 37506

Parent Item:

Comments:

D412-742-011RevD





Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
٧	AN960C10L		Purchased	No			120	Each	5,096.000				1
>										M	113288	/	1

A-960 NAS1149 CU332R

Warehouse	<u>Lo</u>	<u>c Otv</u>	Loc Code	
<b>Location</b>				
Main Warehouse				
ST		5096		
103585		100		
112116		4996		
	120	Each	568.9996	32.00

/AN960C416L

Purchased

No

Warehouse Location	Loc Qty	Loc Code	
Main Warehouse			
ST	569		
104925	44		
108672	4		
109220	3		
110002	4		
110139	1		
110382	8		
110523	14		
111127	4		
111424	7		
111808	427		
111916	53		

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Manufactured

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
1	AN960C616L		Purchased	No		***************************************	120	Each	152.0000	8.0000			

WASHER

Warehouse	Loc Qty	Loc Code	!
<b>Location</b>			
OFFSHORE			
FG	2		
107242	2		
Main Warehouse			
ST	150		
110382	100		M110382
111424	50		
	120 E	ach 25.0000	1:0000 <u>_</u>

Saddle, Fwd Out 205

Warehouse	Loc Oty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	25		
11644	1		
43564	4		
47564	8		
48352	12		

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Comments:



Start Date: 07/15/2009

Required Date: 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Date

Issued

Component Item ID/ Item Name

Replacement Mfg/ Item ID

Purch

Manufactured

Bin Primary Item Location

Warehouse

No

Last Location

Route Seq ID

120

Unit of Measure

Each

Loc Qty

Qty on Hand

18.0000

Loc Code

Remaining Qty To Pick Issued

Qty

Status

√D2572RevE

Saddle, Fwd In 205

1.0000

	/
√	D2573RevE

Saddle, Aft Out 205

Manufactured

No

Location Main Warehouse ST 18 43565 47565 48353 120 Each

25.0000

B 51522 Perps/17(1)

Warehouse	Loc Oty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	25		
43566	4		
44206	1		
47566	7		
48354	13		

Work Order ID: 37506

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:

Parent Item:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
D2574RevE		Manufactured	No			120	Each	12.0000	1:0000	3463		

Saddle, Aft In 205

		<u>Warehouse</u>	Loc	c Oty	Loc Code		
		<b>Location</b>					
		Main Warehouse					
		ST		12			_
		43567		4			
		48355		8		-	_
Manufactured	No		120	Each	305.0000	4.0000	

Set Screw

Manufactured

No

Warehouse Loc Qty Loc Code Location Main Warehouse ST 305 39224 41599 43855 300 238.0000, 2.0000 120 Each

Saddle Spacer

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
Main Warehouse			
ST	238		
42364	238		Ĺ

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:



**Start Date:** 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Date

Issued

	Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Remaining	Qty
	Item Name	Item ID	Purch	Item	Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued
V	D3405-041RevB		Manufactured	No			120	Each	27.0000	1.0000	

B53887

Status

Lug Assembly

Warehouse	Loc	<u>Otv</u>	Loc Code		
<b>Location</b>					
Main Warehouse					
ST		27			
47200		6			
47427		21			
	120	Each	28.0000	1.0000	_

D3405-043RevB

Manufactured

53888

_	·	
		1851
	- F E G B   H B	1027
	_	1986
	_	1881
		1881

Lug Assembly

Warehouse Location	Loc Oty	Loc Code	
Main Warehouse			
ST	28		
46589	1		
46863	1		
47308	14		
47856	12		

Work Order ID: 37506

Parent Item:

Comments:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3407-041RevE		Manufactured	No			120	Each	28.0000	1.0000			
									<u> اااااا</u>	-4092		///

Tow Ring

Warehouse	<u>Lo</u>	c Oty	Loc Code			
<b>Location</b>					•	
OFFSHORE						
FG		4				
35780		4				
Main Warehouse						
ST		24				
47309		4			-	
48356		20				
	120	Each	48.0000	2.0000		

Manufactured



Warehouse Loc Oty Loc Code Location Main Warehouse ST 48 42176 18 44349 30

# Picklist Print

July 1, 2009 7:19:54 AM

Work Order ID: 37506

D412-742-011RevD

Parent Item Name: Float Skidtube Installation

Manufactured

Manufactured

**Comments:** 

Parent Item:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

	Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
V	D3533-1RevB		Manufactured	No			120	Each	110.0000	2.0000	_		
											11.2		

Set Screw

<b>Warehouse</b>	<u>Lo</u>	c Qty	Loc Code		
<b>Location</b>					
Main Warehouse					
ST		110			
44644		10			
47625		100			
•	120	Each	582.0000 32.0000	•	17
				c1176	

Warehouse	Lo	c Oty	Loc Code		
Location					
Main Warehouse					
ST		582			
34471		56			
47023		26			
48258		500			
	120	Each	595.0000	8.0000	_

595

Phenolic Washer

Warehouse Loc Oty Loc Code Location Main Warehouse 595

ST

35523

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name

Replacement Mfg/ Item ID Purch

Bin Primary Item Location

No

Last Location

Route Seq ID

120

Unit of Measure

Each

Qty on Hand

4.0000

Remaining Qty To Pick Issued

Qty

Date Issued

Status

D412-742-015RevD

Manufactured

Electric Step

Loc Qty

Loc Code

1.0000 

Purchased

No

Warehouse Location Main Warehouse FG 4 35939 120 Each



•	
	Nut

Warehouse Location	Loc Oty	Loc Code	ŕ
Location			
OFFSHORE			* .
FG	80		
103691	80		<del> </del>
Main Warehouse			
ST	272		
111041	2		
111274	2		April Marie Control
111383	5		

263

111819

Work Order ID: 37506

Parent Item:

D412-742-011RevD

Parent Item Name:

Float Skidtube Installation

Comments:



Start Date: 07/15/2009

**Required Date:** 08/03/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name

Replacement Mfg/ Item ID Purch Bin Item

No

Primary Last Location Location

Route Seq ID Unit of Measure

Qty on Hand

Remaining Qty To Pick Issued

Qty

Date Issued

Status

MS21043-4

Purchased

120

Each

276.0000 29.0000

Nut

Warehouse	Loc Qty	Loc Code	
<b>Location</b>			
OFFSHORE			
FG	40		
104603	40		
Main Warehouse			
ST	236		
111125	34		
111177	5		
111274	19		
111424	28		
111819	150		

Dart Aerospace Ltd. D412-742-041 Wednesday, 2/20/2008 4:13:34 PM Drate: ∙User: Kim Johnston **Process Sheet** : FLOAT SKIDTUBE **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 37506 Estimate Number : 12877 P.O. Number **Part Number** : D412742011 : N/A This Issue : 2/20/2008 S.O. No. : **Drawing Number** : N/A Prsht Rev. : NC Project Number First Issue : // Type : LANDING GEAR **Drawing Revision** ; D : 35922 Previous Run Material Due Date : 3/20/2008 Qty: Each 1 Um: Written By Checked & Approved By Comment : Est Rev: A 05.10.13 New Issue KJ/JLM Est Rev:B 06-06-08 As per DSI9336 JLM 07-05-28 As per Rev C JLM Est Rev:C EC est rev D 07.11.01 ecn 1053P EC verified by:DD est rev E 07.11.27 ecn 1072 **Additional Product** Job Number: Seq. #: Machine Or Operation: Description: DOCUMENT CONTROL Comment: DOCUMENT CONTROL Photocopy bluefile and create labels per PPP D412-742-011 CHGQ64 D05 FLOAT SKID ASSEMBLY Comment: Sub-Component FLOAT SKID ASSEMBLY D412-742-041 B Electric Step Kit Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Electric Step Kit Batch: PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Pick Packing Kit 5.0 D2571 Saddle, Fwd, Out

> 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

SADDLE batch:

Comment: Qty.:

Dart Ae	rospace L	_td											
W/O:			WO	RK ORDER CHANGE	S				***************************************				
DATE	STEP	PR	OCEDURE CHAM	IGE	Ву	Date	QA: Date:	Approval QC Inspector					
Part No	•	PAR #:	#: Fault Category: NCR: Yes No DQA: Date:  QA: N/C Closed: Date:  WORK ORDER NON-CONFORMANCE (NCR)  NC Corrective Action Section B Verification Approval Approval										
NCR:			WORK ORDE	R NON-CONFORMAN	CE (NCR)								
DATE	STEP	Description of NC		JRE CHANGE  By Date Qty Chic Proceed Application Section B Sign & Section C. Chic Procedure Chic	Approval	Approval							
DATE	SIEF	Section A		Action Description Chief Eng				Chief Eng	QC Inspector				
	, ,		1 1		1	1							

User: Kim Johnston	Process Sheet	• •
Customer: CU-DAR001 Dart Helicopters Service	ices Drawing Name: FLOAT SKIDTUBE	
Lab N 27506	D- of Alicentary D/127/2011	
Job Number: 37506  Job Number:	Part Number: D412742011	
Seq. #: Machine Or Operation:	Description :	
6.0 D2572	Saddle, Fwd, In	
, ,	Total: 1.0000 Each(s)	
SADDLE / batch:		
7.0 <b>V</b> D2573	Saddle, Aft, Out	
Comment: Qty.: 1.0000 Each(s)/Unit	Total: 1.0000 Each(s)	
SADDLE batch:		
8.0 <b>V</b> D2574	Saddle, Aft, In	110011100111001
Comment: Qty.: 1.0000 Each(s)/Unit	Total : 1.0000 Each(s)	
SADDLE	•	
batch:		
9.0 <b>V</b> D2876	Saddle Spacer	
Comment: Qty.: 2.0000 Each(s)/Unit	Total: 2.0000 Each(s)	(1000)
batch:		
10.0 V D2877	Saddle Spacer	
Comment: Qty.: 2.0000 Each(s)/Unit	Total: 2.0000 Each(s)	
SADDLE SPACER  batch:		
11.0 V D34031	Bushing	
	· 	
Comment: Qty.: 16.0000 Each(s)/Unit	Total: 16.0000 Each(s)	
BUSHING / batch:		
12.0 D2747	Set Screw	
Comment: Qty.: 4.0000 Each(s)/Unit	Total: 4.0000 Each(s)	110011 0011 1011
Set Screw		
batch:		

# **Dart Aerospace Ltd**

W/O:		WORK ORDER	CHANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:	

QA: N/C Closed: \_\_\_\_ Date: \_\_\_\_

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Verification	Annessal			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector

User: Vvednesday, Kim Johnstor	12/20/2008 4:13:34 PM 1		Process Shee	et		• •
Customer: CU-DAF	R001 Dart Helicopters Service	ces		Name: FLOAT SKIDTUBE		-
Job Number: 37506			Part N	umber: D412742011		
Job Number:						
Seq. #: Machin	ne Or Operation:			Description :		
13.0 <b>V</b> D35331			Set Screw		: III II II II II II II I	
	Screw	Total :	2.0000 Each(s)			
14.0 AN4C6/			Bolt			<u> </u>
71.0			Don			
Comment: Qty.	: 16.0000 Each(s)/Unit	Total :	16.0000 Each(s)	······································	111111111111111111111111111111111111111	
BOL / batc						
15.0 <b>V</b> AN4C52	2A		BOLT			-
Comment: Qty.:	* *	Total :	8.0000 Each(s)			
BOL , batcl						
16.0 <b>V</b> AN6C12			BOLT			
-						
Comment: Qty.:	, ,	Total:	8.0000 Each(s)			
- BOL , batcl						
17.0 \ D36723			PHENOLIC WASHER		148811180113881	
Comment: Qty.:	` '	Total :	32.0000 Each(s)			
PHE / batcl	NOLIC WASHER h:					
18.0 AN960C			WASHER		·	
Comment: Qty.:	• •	Total:	32.0000 Each(s)		· · · · · · · · · · · · · · · · · · ·	
WAS batch	SHER n:					
19.0 \ D36729		<del> </del>	PHENOLIC WASHER			
Comment: Qty.: PHE batch	NOLIC WASHER	Total :	8.0000 Each(s)			

# **Dart Aerospace Ltd**

ΓEP						
	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C	losed:	Date:

NCR:			WORK ORDI	VORK ORDER NON-CONFORMANCE (NCR)					
		Description of NC		Corrective Action Section B		Verification	A		
DATE	STEP	Section A	Initial Action Description Sign & Chief Eng Date		Section C	Approval Chief Eng	Approval QC Inspector		

Date: Wednesday, 2/20/2008 4:13:34 PM		•
User: Kim Johnston	Process Sheet	
Customer: CU-DAR001 Dart Helicopters Se	vices Drawing Name: FLOAT SKIDTUBE	
Job Number: 37506	Part Number: D412742011	
Job Number:		
Seq. #: Machine Or Operation:	Description :	
20.0 🗸 AN960C616L	WASHER	110011140111001
Comment: Qty.: 8.0000 Each(s)/Un WASHER batch:	t Total : 8.0000 Each(s)	
21.0 V D367211	PHENOLIC WASHER	
Comment: Qty.: 16.0000 Each(s)/Ur	it Total: 16.0000 Each(s)	111111111111111111111111111111111111111
PHENOLIC WASHER  / batch:		
22.0 V MS210434	Nut	1100(1)(00)(1)(00)
	it Total: 29.0000 Each(s)	
NUT batch:		
Daton.		1
23.0 AN4C7A	2.0	
23.0 <b>V</b> AN4C7A	Bolt	
Comment: Qty.: 4.0000 Each(s)/Un	t Total : 4.0000 Each(s)	
Bolt , Batch:		
24.0 V AN3C37A	BOLT	(1111)(111)
Comment: Qty.: 3.0000 EACH(s)/U	nit Total: 3.0000 EACH(s)	
batch:	DOLT	
25.0 <b>√</b> AN3C40A	BOLT	
Comment: Qty.: 2.0000 Each(s)/Uni	t Total : 2.0000 Each(s)	11101111111111111
BOLT botob		
batch:		
V.		

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Page 4

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W/O:			W	ORK ORDER CHANG	ES	100-0			
DATE	STEP	PROCEDURE CHANGE			Ву	Date (	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								•	
Part No	•	PAR #:	Fault Cate	egory:	_ NCR: Yes N	No DQA:		_ Date: _	
					QA: N/	C Closed:		_ Date: _	
NCR:			WORK ORD	ER NON-CONFORM	ANCE (NCR)				
D.4.T.F.	0750	Description of NC		Corrective Action Sect	ion B	Verificat	ion	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	1	Chief Eng	QC Inspector
			1			1			

		Description of NC		Corrective Action Section B		Varification	A	A 1
DATE	STEP	Section A	Initial Chief Eng			Verification Section C	Approval Chief Eng	Approval QC Inspector

Date: Wednesday, 2/2 User: Kim Johnston	20/2008 4:13:34 PM		Process Sho	aat	•
					<del>-</del>
Customer: CU-DAR00	01 Dart Helicopters Servic	es	Drawir	ng Name: FLOAT SKIDTUBE	
Job Number: 37506			Part	Number: D412742011	
Job Number:	 			Tulinoi, 2	
Seq. #: Machine	Or Operation:			Description :	
26.0 🗸 AN3C41A		_	BOLT		
Comment: Qty.: BOLT	3.0000 Each(s)/Unit	Total :	3.0000 Each(s)		
/batch:_					
27.0 AN3C42A	(		BOLT		11011101101101
				· · · · · · · · · · · · · · · · · · ·	
Comment: Qty.:	3.0000 Each(s)/Unit	Total:	3.0000 Each(s)		
BOLT /batch:_					
28.0 <b>√</b> AN3C43A			BOLT		
Comment: Qty.:	3.0000 Each(s)/Unit	Total :	3.0000 Each(s)		
BOLT					
batch:_ 29.0 V AN3C44A			BOLT		
29.0 • AN3C44A			BULI		
Comment: Qty.:	9.0000 Each(s)/Unit	Total :	9.0000 Each(s)		
BOLT					
Batch:_ 30.0			BOLT		
30.0 <b>√</b> AN3C47A   <b>   </b>			BOLI		
Comment: Qty.:	10.0000 Each(s)/Unit	Total :	10.0000 Each(s)		
BOLT					
Batch:_ 31.0 \ AN960C10I			washer		
31.0 V ANSOCIO			Washel		
Comment: Qty.:	66.0000 Each(s)/Unit	Total :	66.0000 Each(s)		
washer  batch:_					
32.0 MS210433			Nut		
	33.0000 Each(s)/Unit	Total :	33.0000 Each(s)		
Nut					
batch:					

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							-

Part No:	PAR #:	Fault Category:	NCR: Y	'es	No	DQA:	Date: _	
			Q	A: N	/C CI	osed:	Date: _	

NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
		Description of NC		Corrective Action Section B			Approval	A
DATE	DATE STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
1 17 = 4447								
						:		:
								i

ser: Kim Johnston		Process Sho	
Customer: CU-DAR001 Dart Helicopters Service	ces	Drawir	ng Name: FLOAT SKIDTUBE
Job Number: 37506		Part	Number: D412742011
Job Number:			
Seq. #: Machine Or Operation:		111.00-0-1111.00	Description :
33.0 \( \sqrt{D34033} \)		Bushing	
Comment: Qty.: 8.0000 Each(s)/Unit BUSHING	Total :	8.0000 Each(s)	
batch:			
34.0 V D3405041		Lug Assembly	1400/100
Comment: Qty.: 1.0000 Each(s)/Unit	Total:	1.0000 Each(s)	
GHW LUG			
batch:		Lug Assembly	
Comment: Qty.: 1.0000 Each(s)/Unit	Total:	1.0000 Each(s)	
GHW LUG			
batch: 36.0 \times AN4CASA 477		BOLT	
		5021	
Comment: Qty.: 4.0000 Each(s)/Unit	Total :	4.0000 Each(s)	
BOLT batch:			
37.0 D3407041		Tow Ring	
Comment: Qty.: 1.0000 Each(s)/Unit	Total :	1.0000 Each(s)	
TOWRING  / batch:			
38.0 V D34173		Washer	
Comment: Qty.: 2.0000 Each(s)/Unit WASHER	Total :	2.0000 Each(s)	
batch:	-	<del></del>	
39.0 <b>J</b> D34561		washer	
- Comment: Qty.: 1.0000 Each(s)/Unit WASHER	Total:	1.0000 Each(s)	11820138111801
•	Total :	1.0000 Each(s)	

### Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES											
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
	;												
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date: _							

					QA: N/	C Closed:	Date: _	
NCR:			WORK OR	DER NON-CONFORMANC	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification		A ======
DATE STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector	
			:					

Wednesday, 2/20/2008 4:13:34 PM Date: User: Kim Johnston **Process Sheet** Drawing Name: FLOAT SKIDTUBE Customer: CU-DAR001 Dart Helicopters Services Job Number: 37506 Part Number: D412742011 Job Number: Seq. #: Description: **Machine Or Operation:** INSPECT 100% KITS FOR COMPLETENESS Comment: INSPECT 100% KITS FOR COMPLETENESS PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and pack for shipping as per PPP D412-742-011 Location: FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE Job Completion 

Form: mrocess

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Dart A	erospace	Ltd
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W/O:		WORK ORDER C	WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector					
						, , , , , , , , , , , , , , , , , , , ,						
Part No	•	PAR #: Fault Category:	NCR: Yes	No DQA	\:	Date:						

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification	Approval				
DATE	STEP	Section A	InitialAction DescriptionSign &Chief EngChief EngDate		Section C	Approval Chief Eng	Approval QC Inspector			
				•						
						1				
•										
		,								

#### **PARTS LIST** 5.0



#### D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List 5.1

Item	Qty	Qty	Qty	Part Number	Description
	-011	-041	-015		•
	Χ			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	Х	ź	D412-742-041	FLOAT SKIDTUBE
7	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*12		*AN3C6A	*BOLT
4		*8		*AN3C7A	*BOLT
5		*44		*AN960C10L	*WASHER
6	•	*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21A	17	*1		*D3564-1 🗸	*WEARSHOE (REPLACES D3460-1)
21B	*.	*1		*D3566-1	*GASKET
	14	*1	-	*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B	क्रामार्थ	*1		**D3566-1 /	*GASKET
23A		*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1		*D3566-5	*GASKET
		,			
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24A	:	**1		**D3564-13	**WEARSHOE
24B		**1		**D3566-13	**GASKET
	L				
20	·T	*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
	y 4 ·	<u> </u>			
30.		*1		*D3391-015	*412 AFT TUBE
25Å		**1		**D3537-1	**WEARPAD
25B		**1		**D3553-1	**GASKET
26A	ļ	**1		**D3537-7	**WEARPAD
26B		**1		**D3553-3	**GASKET
31	· .	**1		**D2646	**AFT CAP
32	ļ	**14		**AELS-1032-130	**INSERT
36	ļ	**12	-	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B	ļ	**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
-38B	ļ	**10	ļ	**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)

(CONTINUED ON PAGE 17)

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Revision: D

Date: 07.10.04

## **Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
Part No		PAR #:									
Resolution:			Disposition	n:	QA: N/C C	losed:	_	Date:			
NCR:		,	WORK ORD	R NON-CONFORM	ANCE (NCF	<b>R</b> )					
DATE	STEP	Description of NC	Initial	Corrective Action Sec Action Description				erification Approval			
		Section A	Chief Eng	Chief Eng	Date		Section C Chie		QC Inspector		
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Page 17 of 20

(CONTINUED FROM PAGE 16)

ltem	Qty -011	Qty -041	Qty -015	Part Number	Description
40	1	-041	-015	D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42 、	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER
46	16			D3403-1	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49	8			AN4C52A	BOLT
* 50*\	74.48			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	. 8			AN960C616L	WASHER
53	16			D3672-11	WASHER (REPLACES NAS1515H7L)
54**	<sup>*</sup> 24	i	,	"MS21043-4	NUT
55	4			AN4C7A	BOLT
, 60	8			D3403-3	BUSHING
61	1		<del>-</del> -	D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C46A	BOLT
64	4		<u> </u>	MS21043-4	NUT:
.70	1			D3407-041	TOW RING
71	-2			D3417-3	WASHER
72	1 7		-	MS21043-4	NUT
73	, 1			D3456-1	WASHER
901	×		1	D2913	DOUBLER
80'	<del> </del>	***4	,	***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
81 82	<u> </u>	***4		***AELS-1032-130	***INSERT (REPLACES NAS132934RB140)
83	<del> </del>	-	2	MS21043-4	NUT
84	<del> </del>		2	MS24693-C272	SCREW
85	<u></u>		1	MS35489-35	GROMMET
86		-	1	MS35489-93	GROMMET
- 87	-	***4	<del>- '-</del>	***MS27039C1-09	***SCREW
88	1	***4		***MS27039C4-08	***SCREW
89A		***4	2	:****D3672-1	***WASHER (REPLACES NAS1515H3L)
89B	-	***4	2	***AN960C10L	***WASHER
90A	<del> </del>	***4	<del>-</del>	****D3672-3	***WASHER (REPLACES NAS1515H4L)
90B	† · · · · ·	***4		****AN960C416L	***WASHER
91 .		-		AN3C37A	BOLT
92.	3 2	<del> </del>	<del> </del>	AN3C40A	BOLT
- 93	3	<u> </u>		AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	. 3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE \*\*DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY \*\*\*DENOTES THAT PART IS INCLUDED WITH D3391-013

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Revision: D

Date: 07.10.04

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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	ROCEDURE CHANGE			Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									***
Part No	:	PAR #:	Fault Categ	ory:	_ NCR: Yes	No <b>DQ</b>	A:	Date:	
Resolution:		Disposition	:	_ QA: N/C C	losed:		Date: _		
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCI	٦)			
DATE	STEP	Description of NC	Corrective Action				cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign of Date	& Sect	ion C	Chief Eng	QC Inspector
, ,									



## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE REF. CANADIAN STC: SH05-37 REF. EASA STC: EASA.IM.R.S.01126

### **INSTRUCTIONS:**

1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

# 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List 32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	×			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	х	1	D412-742-041	FLOAT SKIDTUBE
	1		х	D412-742-015	ELECTRIC STEP KIT
	+	1			

### IS:

63	• 4	 · ·	AN4C47A	BOLT
		1	·	

### WAS:

			1	
63	4		AN4C46A	BOLT

# 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List 32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

· <u> </u>				
ITEN	A Qty -013		, PART NUMBER	DESCRIPTION
1 .+-	Œ x		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	Х	D412-742-043	FLOAT SKIDTUBE
			·	

### IS:

			• •	···	~~~	
. 6	3	4	AN4C47A			BOLT
				-	1	
			ŧ		- <i>v</i> -	

### WAS

63	4	AN4C46A	BOLT

Α	NEW IS	SUE		AJS	08.12.19			
REV.			DESCRIPTION	BY	DATE			
DESIGN	DESIGN AJS		DART AEROSP	DART AEROSPACE USA, INC				
DRAWN AS		AIS	PORT HADLOCK, WA					
CHECKE	CHECKED		DRAWING NO.	REV.				
MFG. AF	PPR.	N/A	DSI 9441	SHEET 1 OF 1				
APPRO\	/ED	WI	TITLE					
DE APPR.		d	BOLT CHANGE N					
DATE	08.12	2.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIEC ON COMMUNICATED TO ANY OTHER PERSON WITHOUT					

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W/O:		WORK ORDER CHANGES										
DATE STEP		PRO	Ву	Date	Qty	Qty Approval Chief Eng / Prod Mgr	Approval QC Inspector					
								r rod mg.				
							<u> </u>					
Part No	•	PAR #:	Fault Categ	gory:	_ NCR: Yes I	No <b>DQ</b>	A:	Date:				
			lution: Disposition:									
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NCR)	)		<u> </u>				
DATE	STEP	Description of NC		on B	Verification		1 Approval	Approval				
DAIL	JILI	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector			
								:				